



# SM SHORT INFO

## WASHING MACHINE

### AWG 729 / WP

Model           AWG 729 / WP

Version         8537 729 06730

The Service Manual for AWG 729 / 9 No: 4812 712 10009  
can be used for AWG 729 / WP with the modifications shown.

Pos. No.	12 NC Code	Description
339	4819 453 19241	Control Panel

**PHILIPS****Whirlpool**

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# **Service Manual**

## **WASHING MACHINE**

### **AWG 729/9**

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Model	AWG 729/9
Service No.	
Version	8537 729 06790

Technical Data	4812 712 50029
Spare Parts List	8537 729 06790
Exploded Views	4812 712 60035
	4812 712 60031
Wiring Diagram	4812 712 70066
Circuit Diagram	4812 712 70066
Closing Diagram	4812 712 70063

TECHNICAL DATA		AWG 729	4812 712 50029
<b>1.</b>	<b>Modell</b>	AWG 729 - 12 programmes and the possibility of more combinations	
<b>1.1.</b>	<b>Dimension</b>		
	Height	85	cm
	Width	59,6	cm
	Depth	52,0	cm
<b>1.2.</b>	<b>Weight</b>		
	Net weight	ca. 82	kg
	Without package	ca. 79	kg
<b>1.3.</b>	<b>General specifications</b>		
	Voltage	220-240/ 50	V/ Hz
	Connected load	2,20	kW
	Fuse	10	A
<b>1.4.</b>	<b>Drum data</b>		
<b>1.4.1.</b>	<b>Drum speed</b>		
	Washing	50	rpm
	Pre-spinning	110	rpm
	Spinning (low)	650	rpm
	Spinning (high)	800	rpm
<b>1.4.1.</b>	<b>Loading</b>		
	Capacity	max. 4,5 Dry laundry	kg
<b>1.5.</b>	<b>Electrical building parts</b>		
<b>1.5.1</b>	<b>Heating</b>		
	Type	Tubular radiator	
	Rated power draft	1,90	kW
	Rated voltage draft	220	V
<b>1.5.2.</b>	<b>Drain pump</b>		
	Power consumption	34	W
	Capacity	20-25	l/min
	Rotation speed	2500	rpm
	Height of draining hose	max. 0,90 min. 0,60	m m
<b>1.5.3.</b>	<b>Motor</b>	AC - SERIES	
<b>1.5.4.</b>	<b>Timer</b>	Crouzet Typ 914/1425	
	The timer program chart includes 3 basic programmes	-normal washing -delicate washing -wool	

Date

25.02.92

**Spare part list**  
for Washing machine

Spare part list No.

8537 729 06790

Model

**AWG 729/9**

Version

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Pos. No.	Spare Part No.	Denomination
101	4819 361 58114	Motor with pully
123	4819 528 88075	Drum pully
125	4819 358 18024	Poly V type belt
202	4819 466 69828	Bellow
224	4819 259 28684	Heating element
229	4819 282 28678	Adjustable thermostat
238	4819 271 28679	2 temperat. fixed thermostat
266	4819 418 18048	Drum
267	4819 535 78133	Cross piece
380	4819 492 68061	Hose clamp
387	4819 466 88896	Upper conterweight
388	4819 310 38683	Fixing kit for upper counterweight
389	4819 418 18261	Tub
390	4819 401 18174	Hose clamp
391	4819 526 48254	Detergent dispenser/tub hose
392	4819 492 68888	Bellow ring (tub side)
393	4819 492 68515	External ring
394	4819 530 58048	Thermostat seal
395	4819 532 28209	Tub clamping ring
398	4819 418 18276	Rear tub plate assy
399	4819 466 69797	Tub seal
402	4819 310 38473	Bearings and seals kit
408	4819 466 88897	Lower counterweight
409	4819 526 48255	Tub/pump connecting hose
410	4819 310 38684	Fixing kit for lower counterweight
416	4819 530 28773	Vapour exhaust hose
417	4819 505 18541	Pully nut
428	4819 502 18058	Fixing bolt for motor
556	4819 310 38685	Pin sliding shoe assy
557	4819 462 38596	Sliding shoe
558	4819 401 18529	Hose clamp
687	4819 310 88529	Brush holder

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Pos. No.	Spare Part No.	Denomination
456	4819 401 18437	Hook
458	4819 535 38062	Pin
472	4819 466 68679	Ring
478	4819 532 28161	Counterframe
526	4819 466 69651	Filter seal
527	4819 466 69598	Seal for upper tub
528	4819 466 69597	Seal for lower tub
529	4819 532 68421	Potentiometer spacer
530	4819 462 79386	Plug for cabinet bottom
531	4819 466 88781	Fix. plate for porthole frame
532	4819 530 28599	Removable hose
533	4819 462 48156	Plug for removable hose
534	4819 281 68014	Thermostop coil

Date

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## Spare part list for Washing machine

Spare part list No.

8537 729 06790

Model

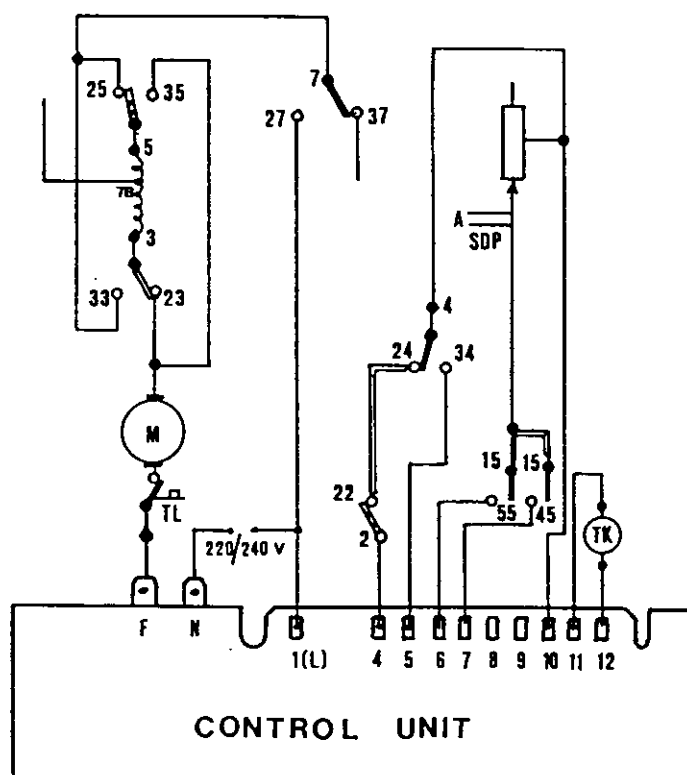
AWG 729/9

Version

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Pos. No.	Spare Part No.	Denomination
131	4819 214 78323	Control unit
132	4819 101 48074	Potentiometer
141	4819 321 18136	Mains cable
142	4819 290 68166	Terminal block
143	4819 121 18078	Anti interference filter
151	4819 530 28202	Water inlet hose
153	4819 281 28189	Water inlet valve
166	4819 360 18207	Pump assy
170	4819 530 28546	Water draining hose
196	4819 440 19432	Cabinet
199	4819 440 19256	Plinth
211	4819 282 18537	Timer assy
212	4819 157 48001	Timer motor coil
213	4819 134 28035	Pilot lamp
229	4819 282 28678	Adjustable thermostat
233	4819 271 28713	Pressostat 3 levels
234	4819 271 28711	Overflow protection pressostat
241	4819 418 68187	Detergent dispenser
247	4819 690 18123	Micro delay switch
301	4819 440 19476	Table top
303	4819 410 28462	Button
304	4819 440 19252	Cover (4 compartments)
307	4819 498 69634	Dispenser handle
308	4819 492 68458	Fixing plate
309	4819 530 28594	Siphon
310	4819 411 28767	Potentiometer knob
311	4819 412 49597	Thermostat knob
313	4819 412 49591	Insert for timer knob
316	4819 413 78658	Timer knob insert
317	4819 505 18004	Timer knob nut
318	4819 498 69247	Porthole handle
319	4819 532 28159	Porthole ring
320	4819 450 68478	Door glas
328	4819 532 68243	Pin
331	4819 418 68186	Detergent dispenser housing
332	4819 492 38102	Tub suspension spring
333	4819 492 48027	Hose clamp
334	4819 530 28793	Water inlet tube
335	4819 440 19492	Front panel
336	4819 276 38215	Switch until with 3 buttons
337	4819 404 48484	Porthole hook frame
338	4819 404 78203	Support bracket
339	4819 453 18497	Control panel
346	4819 417 19043	Porthole hinge
348	4819 480 58106	Pump filter assy
351	4819 404 49832	Control until support
352	4819 535 78098	Plinth retractor
353	4819 532 58166	Seal and pressure reduction ring
354	4819 466 69704	Seal and filter
355	4819 404 49832	Hoses holder
358	4819 466 48115	Friction block
360	4819 492 68215	Spring for friction block
361	4819 401 18607	U bracket for spring
362	4819 462 48049	Anti-vibrating block
364	4819 502 38005	Screw for sliding block springs
365	4819 462 48157	Adjustable foot assy
367	4819 462 79121	Fixed foot
368	4819 440 19433	Back panel
370	4819 462 78418	Thermostop cover
373	4819 492 68166	Hose clamp
374	4819 412 49004	Timer knob
377	4819 530 28808	Pressostat hose
381	4819 360 78312	Filter body
390	4819 401 18174	Hose clamp
453	4819 401 18377	Small block
455	4819 492 48144	Door handle spring

- 1.6. Pressostat**
- |                 |        |                   |
|-----------------|--------|-------------------|
| Low level       | ca. 8  | I                 |
| High level      | ca. 13 | I without laundry |
| Extrahigh level | ca. 20 | I                 |
| Safety level    | ca. 7  | I                 |
- 1.7. Thermostats**
- |                             |            |   |
|-----------------------------|------------|---|
| A - a fixed thermostat      | 37/59 + -3 | C |
| B - a adjustable thermostat | 10-90      | C |
- 1.8. Push button switch unit**
- Version with 3 buttons having switches for
- ON/OFF
  - Eco
  - Gentle wash
- 1.9. Control unit**
- A1 D23 (4812 214 78323)
- Connection of the control unit
- W - Main wash
- D - Pre-spin-drying
- S - Spin-drying
- contacts 7-37 of the timer
- contacts 7-27 of the timer
- contacts 3-23 and 5-25 of the timer

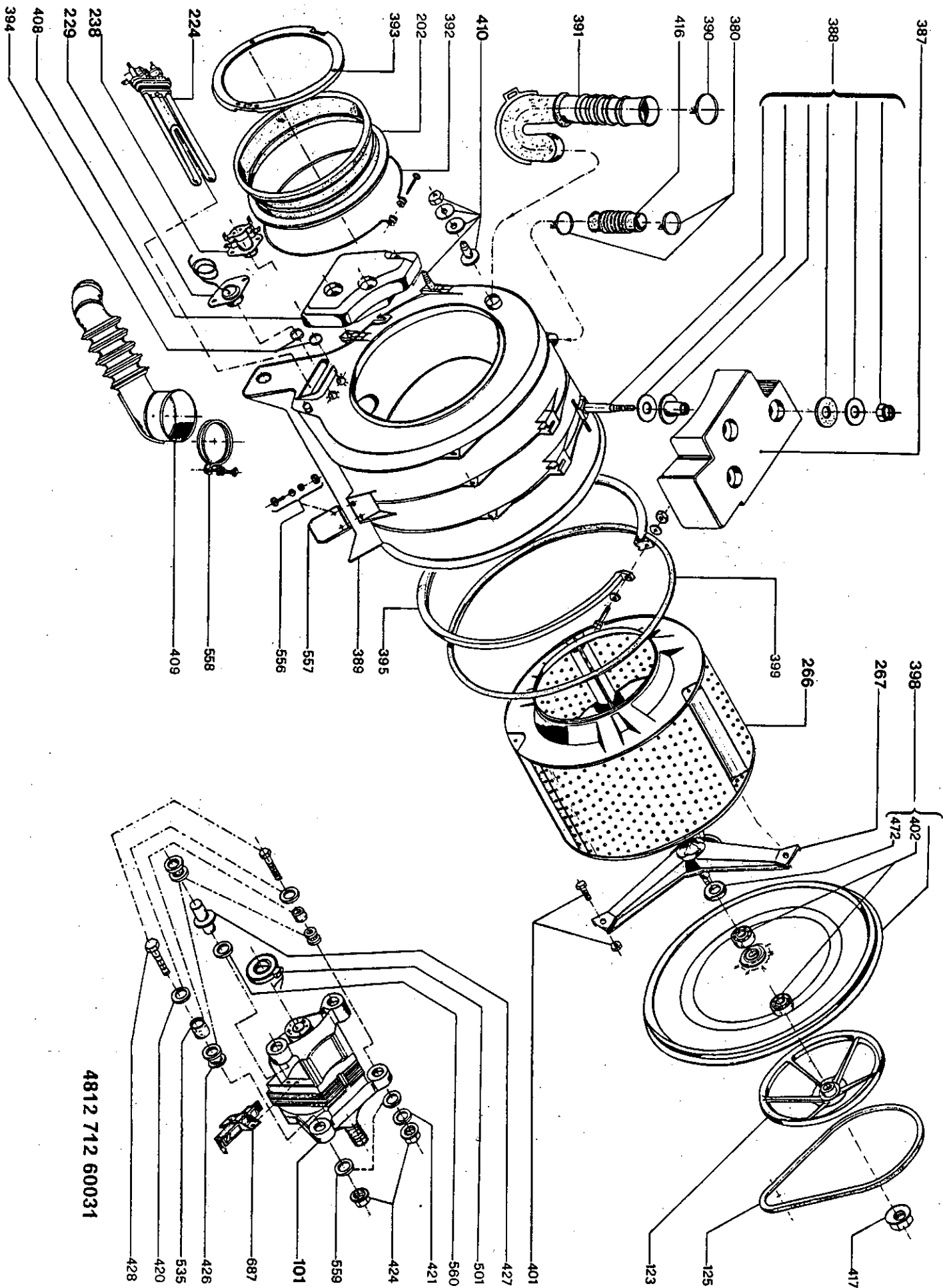


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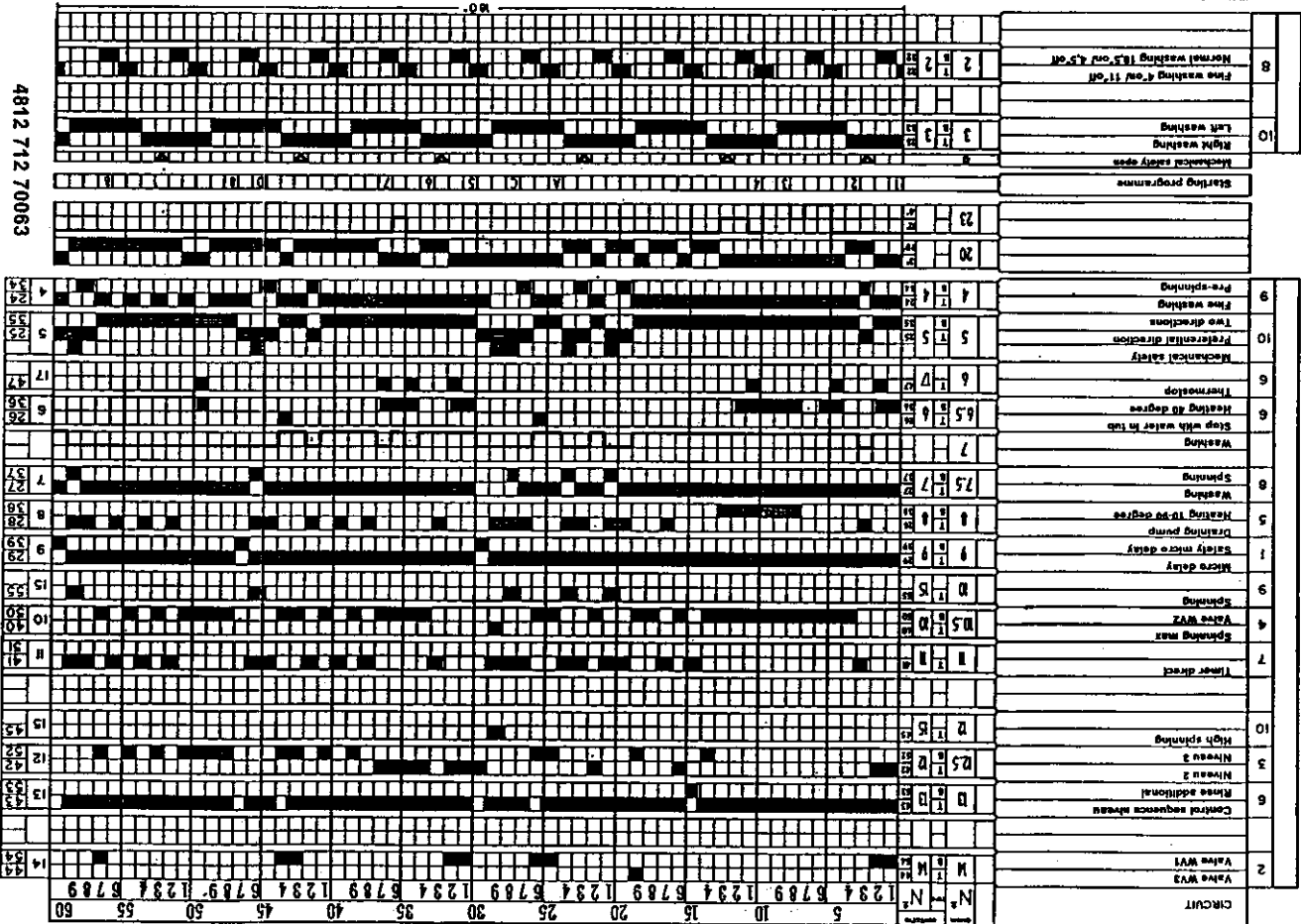
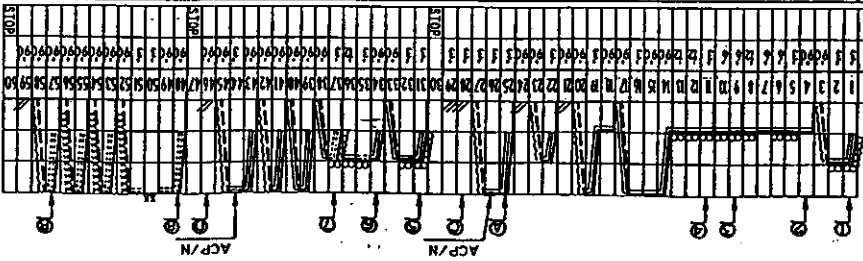








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- 1 FILLING TO COMPARTMENT I
- 2 FILLING TO COMPARTMENT II
- 3 FILLING TO COMPARTMENT III
- 4 FILLING TO COMPARTMENT IV

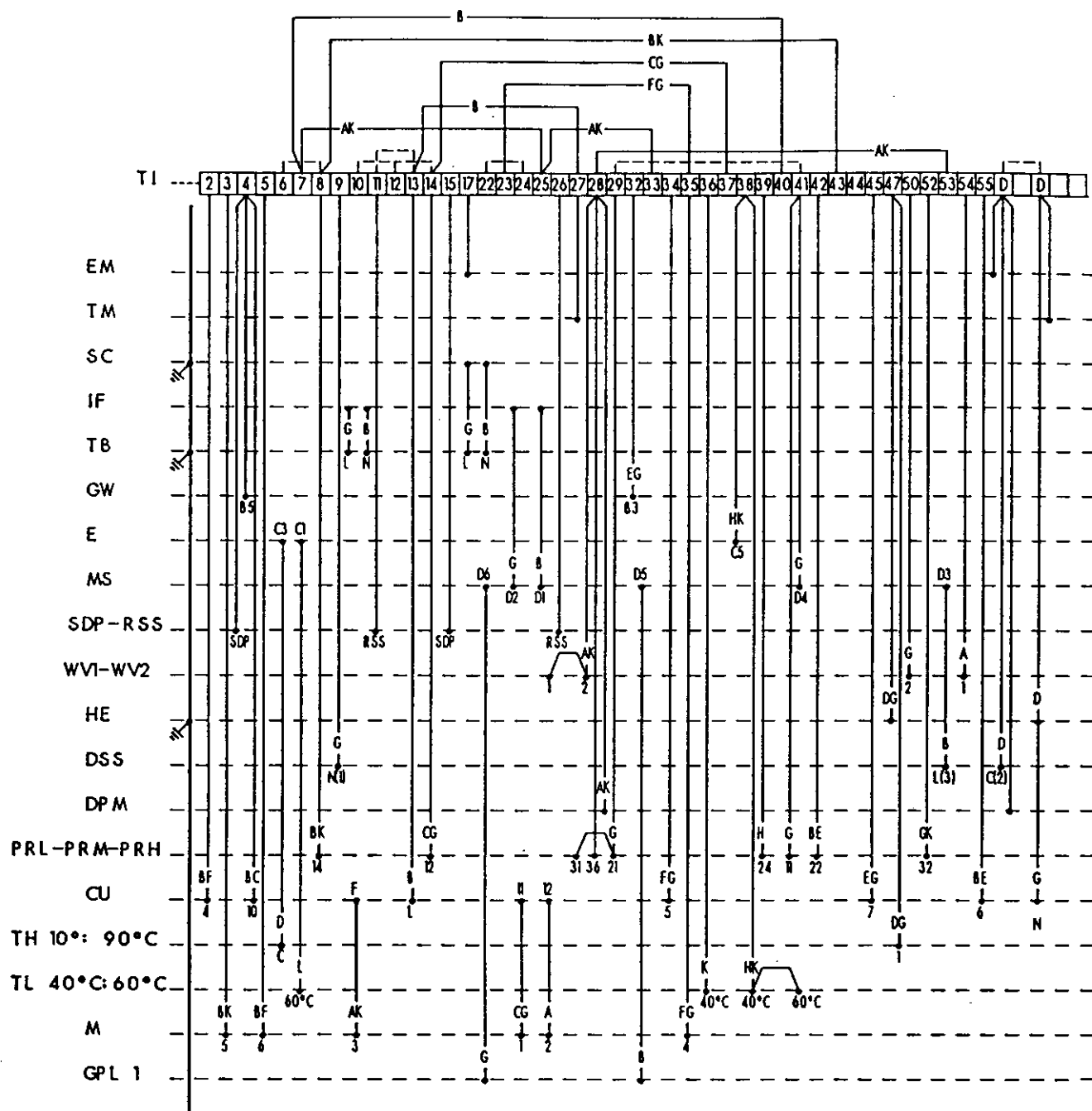


- ACP STOP WITH WATER IN THE TUBE
- ACP/L STOP WITH WATER IN THE TUBE SLOW RHYTHM
- B LOW LEVEL
- D PRE-SPINNING
- EH EXTRA HIGH LEVEL
- H HIGH LEVEL
- HE HEATING
- L SLOW RHYTHM
- N NORMAL RHYTHM
- P DRAINING
- S SPINNING
- SB LOW SPINNING
- SH HIGH SPINNING
- SI INTERMITTENT SPINNING
- ST WITHOUT DRUM ROTATION
- T1 FILLING TIME LOW LEVEL
- T2 FILLING TIME HIGH LEVEL
- T3 FILLING TIME EXTRA HIGH LEVEL
- T4 TIME TO REACH 40 DEGREE
- T5 TIME TO REACH 60 DEGREE
- T6 TIME TO REACH 90 DEGREE
- (i) TEMPORIZED TEMPERATURE

- FILLING
- NORMAL RHYTHM
- SLOW RHYTHM
- HEATING
- STATIC HEATING
- DRAINING
- DRAINING - PRE-SPINNING
- DRAINING - SPINNING
- CLOSED CONTACT

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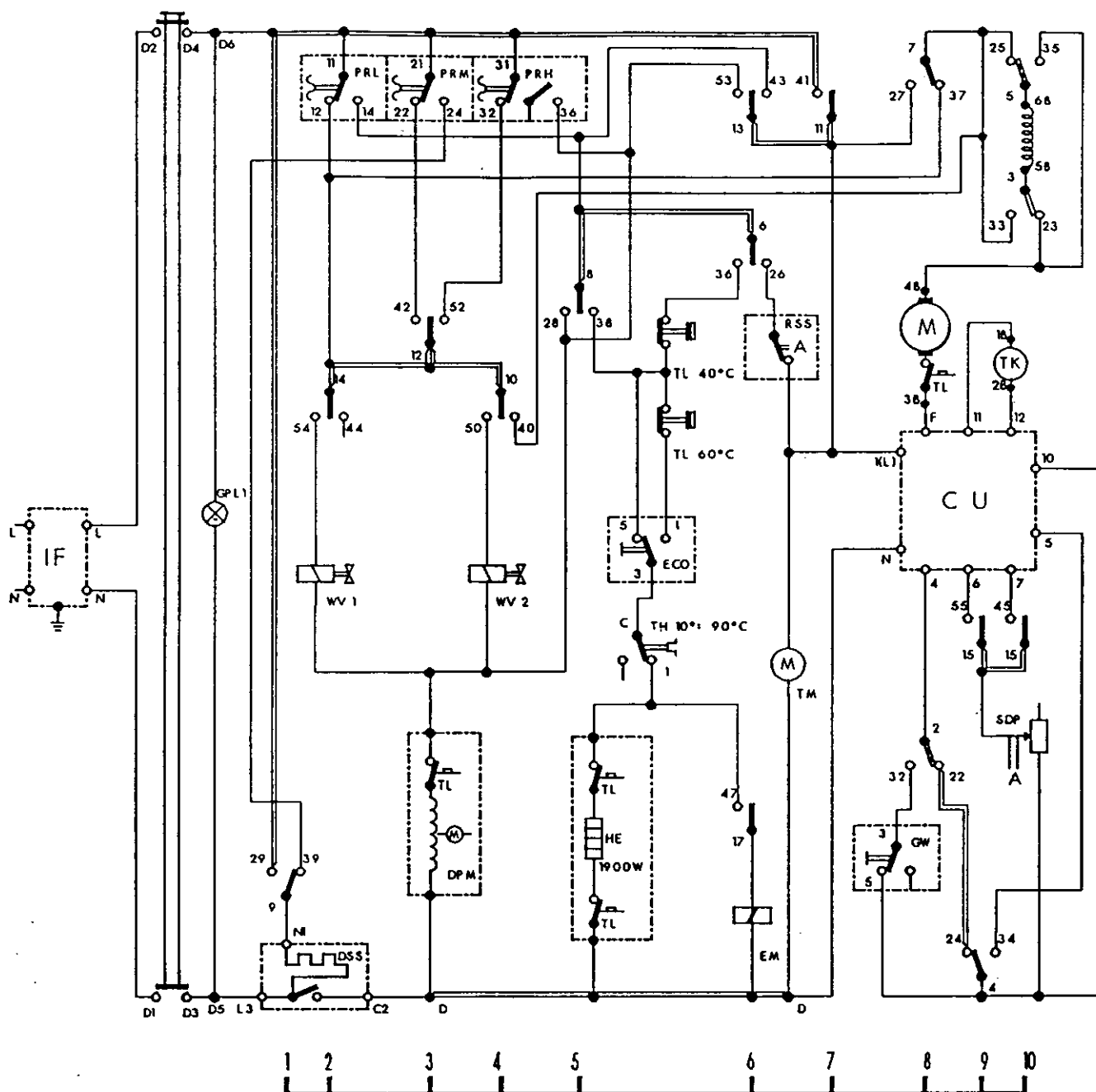
START OF INTERMEDIATE PROGRAMMES	TO NEXT TIMER POSITION AFTER :	BASIC PROGRAM 3	BASIC PROGRAM 2	BASIC PROGRAM 1	TIMER POSITIONS
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48
49	50	51	52	53	54
55	56	57	58	59	60



—— THE CONTACTS ARE CONNECTED  
INSIDE THE TIMER

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CHWS	HOT/COLD WASH SWITCH	PRM	MIDDLE LEVEL PRESSOSTAT	A	BLACK
CU	CONTROL UNIT	RSS	RINSE STOP SWITCH	B	BROWN
DPM	DRAIN PUMP MOTOR	RW	RAPID WASH	C	RED
DSS	DOOR SAFETY SWITCH	SC	MAINS CABLE	D	ORANGE
e	ECO	SDP	SPIN-DRY POTENTIOMETER	E	YELLOW
EM	THERMOSTOP	SPH	HEATING SAVETY PRESSOSTA	F	GREEN
ER	ADDITIONAL RINSE	SW	SHORT WASH	G	BLUE
FS	PTC-UNIT	TB	TERMINAL BOARD	H	VIOLET
GLP1	PILOT LAMP	TH	THERMOSTAT 10-90 DEGREE ADJUSTABLE	K	WHITE
GLP2	LAMP DOOR SAFETY BLOCK	TI	TIMER CONTACTS	L	LIGHT BLUE
GW	GENTLE WASH	TL	THERMOSTAT 40 DEGREE FIXED		
HE	HEATING ELEMENT	TL	THERMOSTAT 60 DEGREE FIXED		
IF	INTERFERENCE FILTER	TL	SAFETY THERMOSTAT 107 DEGREE		
LLS	2 kg	TM	TIMER MOTOR		
M	MOTOR	WVW	WATER VALVE WASH		
MS	MAIN SWITCH	WV1	WATER VALVE PRE-WASHING		
PRH	HIGH LEVEL PRESSOSTAT	WV2	WATER VALVE WASHING		
PRL	LOW LEVEL PRESSOSTAT				



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- REVERSER CONTACTS OPERATED BY THE FAST CAMS
- TIMER CONTACTS OPERATED BY THE SLOW CAMS
- DOUBLE ACTION CONTACTS (OPERATED BY THE FAST CAMS DURING WASHING)
- CONNECTIONS INSIDE THE TIMER

#### NOTICE

- THE PUSH BUTTON SWITCHES ARE SHOWN IN NOT PUSHED-IN POSITION
- TIMER IN 60th POSITION (STOP)
- LETTER A INDICATES THAT THE RINSE STOP SWITCH IS OPERATED BY TURNING THE POTENTIOMETER KNOB